

R E M A R K S

Reconsideration of this application, as amended, is respectfully requested.

Minor amendments have been made to the claims to put them in better form. No new matter has been added. Approval and entry is respectfully requested.

ELECTION:

Applicants hereby elect Group a, claims 1-12 and Figure 8. Claims 23 and 26 are also readable on the elected species, since they are generic.

Claims 1-10 are readable on Figure 8, as indicated by the reference numerals entered by handwriting on the accompanying copy of claims 1-10.

Claim 11 is readable on Figure 1 (as indicated by handwriting by the attached copies) and claim 12 is readable on Figure 18 (as indicated on the attached copies).

In view of the above, it is believed that the election requirement set forth in paragraph 1 beginning at the top of page 2 of the Office Action is not clear. The Examiner lists 8 groups of claims, and only 5 species (5 figures). If the Examiner considers that the foregoing election is not fully responsive to the Restriction Requirement, it is respectfully requested that the Examiner clarify the Restriction Requirement and set forth the Restriction Requirement in a clearer manner which is more consistent with the disclosure.

The Examiner indicated that claims 23 and 26 are considered to be generic. Therefore, the claims readable on elected Figure 8 are not only claims 1-10 (and claims 11 and 12 which were grouped with claims 1-10 by the Examiner), but also claims 23 and 26 (note that the Examiner listed these generic claims in a separate Group f).

Consistent with the foregoing, it is respectfully submitted that the election of Figure 8, and claims 1-10 (and claims 11 and 12), 23 and 26 which are readable thereon, is fully responsive to the Examiner's requirement in the Office Action dated January 11, 1993. Moreover, in the grouping of claims, the Examiner grouped claims 1-12 together. Therefore, it is further respectfully requested that the Examiner consider claims 11 and 12 along with claims 1-10, 23 and 24.

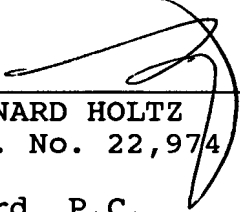
Still further, if a generic claim is ultimately found to be allowable, then it is respectfully requested that the Examiner consider claims to all of the species which depend from such an allowable generic claim.

DRAWING:

The objection to the original drawings is noted. Corrected formal drawings, wherein the legends are parallel to the figure legends, will be supplied in due course.

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,



LEONARD HOLTZ
Reg. No. 22,974

Frishauf, Holtz, Goodman & Woodward, P.C.
600 Third Avenue
New York, New York 10016-2088
(212) 972-1400

Fax No. (212) 370-1622

LH/css

Enc. - Copy of claims 1-12 with reference indications thereon.

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What is claimed is:

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1. An image display apparatus for supplying gray scale data according to a video signal to a liquid crystal device⁽²⁰⁾ to present^a gray-scaled display and^{for} scanning said liquid crystal panel^{device} N times where N is an integer equal to or greater than 2 during one field period of the video signal, comprising:

gray scale data generating means^(77, 87, 100) for comparing a current video signal with a previous video signal of a predetermined period before, and generating gray scale data for N times in accordance with a comparison result; and

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drive means^(23, 24) for driving said liquid crystal device with gray scales based on said gray scale data generated by said gray scale^{data} generating means^(77, 87, 100).

2. An image display apparatus according to claim 1, wherein said predetermined period is one frame period.

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3. An image display apparatus according to claim 1, wherein said predetermined period is two field periods.

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4. An image display apparatus according to claim 1, wherein said gray scale data generating means includes table means⁽¹⁰⁰⁾ for, upon reception of the current video signal and the previous video signal, outputting gray scale data according to said^(current and previous video) received signals.

5. An image display apparatus according to

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claim 4, wherein said table means ⁽¹⁰⁰⁾ outputs gray scale data whose number ⁽³⁾ of bits is less than that ⁽⁵⁾ of the video signals.

5 6. An image display apparatus according to claim 4, wherein said table means ⁽¹⁰⁰⁾ outputs gray scale data ⁽⁴⁾ N times with respect to a single input of the video signals.

10 7. An image display apparatus according to claim 1, further comprising a first memory ^(73 and 83, or 74 and 84) for storing the current video signal and a second memory ^(74 and 84, or 73 and 83) for storing the previous video signal, wherein said gray scale data generating means ^(77, 87, 100) receives ^{the current} a video signal output from said first memory and ^{the previous} a video signal output from said second memory.

15 8. An image display apparatus according to claim 1, wherein said gray scale data generating means ^(77, 87, 100) includes a gray scale memory having gray scale data stored in advance.

20 9. An image display apparatus according to claim 1, wherein the gray scale data generating means includes means for supplying gray scale data representing a gray scale greater than that of the current video signal when a result of comparison between the current video signal and the previous video signal indicates
25 that the gray scale of the current video signal is greater than that of the previous video signal, and supplies gray scale data representing a gray scale

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smaller than that of the current video signal when the result of comparison indicates that the gray scale of the current video signal is smaller than that of the previous video signal.

5 10. An image display apparatus according to claim 1, wherein a non-display period ^(EC, Fig. 17C) is provided in each of said N display periods during the one field period.

10 11. An image display apparatus according to claim 1, further comprising projecting means for projecting an image displayed on said liquid crystal device.

FIG. 1

12. An image display apparatus according to claim 1, further including television receiving means for receiving a television signal; A/D converting means, connected to said television receiving means, for converting a video signal included in the television signal into a digital video signal; and means for supplying the digital video signal to said gray scale data generating means.

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13. An image display apparatus for supplying a gray scale signal representing one of multiple gray scales from a minimum gray scale to a maximum gray scale according to image data to a liquid crystal device to present gray-scaled display and scanning said liquid crystal panel N times, where N is an integer equal to or greater than 2, during one field period of a video

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